Dell™ PowerConnect™ 5524/5548/5524P/5548P

PowerConnect 5524/5548/5524P/5548P Release Notes

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System Firmware Version 4.1.0.1

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PowerConnect 5500 Series Release Notes

Introduction

This document provides specific information for the Dell PowerConnect 5524/5548/5524P/5548P Switch systems, firmware version 4.1.0.1 (which is a maintenance release).

It is recommended that this release note be thoroughly reviewed prior to installing or upgrading this product.

GLOBAL SUPPORT

For information regarding the latest available firmware, recent release revisions or if requiring additional assistance, please visit http://support.dell.com Support Web Site.

Firmware Specifications

Firmware Version Details

Boot PROM Name	Version No.	Release Date
powerconnect_55xx_boot-10014.rfb	1.0.0.14	May, 2012

Firmware Image Name	Version No.	Release Date
powerconnect_55xx-4101.ros	4.1.0.1	May, 2012

The firmware image version should be 4.1.0.1 on the PowerConnect 5500 Series. The boot prom image should be 1.0.0.14. Refer to the PowerConnect 5500 Series User's Guide for instructions on loading the boot PROM software and updating the firmware image.

Version Numbering Convention					
Version number					**Description**
55XX	4	1	0	1	Four part version number
				↑	Denotes the build number.
			↑		Denotes an ad hoc release of the product software.
		↑			Denotes a scheduled maintenance release of the product software.
	↑				Denotes a major version number.

Supported Firmware Functionality

For more details regarding the functionalities listed, please refer to the PowerConnect 5500 Series User's Guide.

Functionality change in this phase

The following functionality were added in this release

Summary	Description
Egress Classification (ACL)	The ability to classify traffic also on the Egress port and not only on the Ingress port.
Auto-Create VLAN	1. VLAN can be created in configuration context (no need to enter VLAN database context) 2. No Error message when creating already created VLAN 3. When entering Non-existing VLAN context (interface VLAN [vlan_id]) 4. When adding an interface to a non-existing VLAN using the command “switchport access vlan”
802.1x VLAN name support	Radius server can send the VLAN name instead of VLAN ID
Detecting HW failure during boot time	During the software initialization process, all the PHYs are scanned. In case the PHY read is failed (HW error), the system generates a critical messages to the terminal with following information: “Fatal Error: Communication with port id /PHY has failed”, and performs a self-reboot
Disable Password-Recovery	When password recovery is disabled, and the administrator is using the password recovery option from the boot menu, the startup configuration will be deleted.

Issues resolved

The following issues have been resolved in current firmware release

Description	User Impact	Resolution
Prevent creating duplicate ACEs per ACL	Every time the users applies the profile-global macro with the "macro global apply profile-global" command, a new duplicate entry is added to each of the ACLs	Delete redundant ACL
The command "boot host dhcp" needs to stay in the configuration if without autosave option.	The "boot host dhcp" command which initiates the auto configuration feature should not be removed from the running-config or startup-config (which terminates auto configuration retries) unless the customer has selected the auto-save option which indicates that he wants the new config saved and therefore does not want to retry the configuration download	Auto Update Phase 2 implementation

Link issues between PC5548 and e6320 (Dell) laptop (EEE interoperability on Intel NIC)	Link cannot be established	When EEE is disabled – Switch does not advertise EEE capability. When EEE is enabled – user can determine if to work in Auto-Negotiation slave mode to overcome the problem
PC55xx Port-channel inconsistent configuration in general mode	1. Whenever port is in general mode and bind to VLAN, an error message is present when trying to remove the port from the VLAN 2. When creating a range of VLANs, specific VLAN 3664 can not be created. Whenever trying to create this specific VLAN 3664 after the failure, it still cannot be created.	1. Removed the error message 2. All VLANs in any range or combination is being created.
PC55xx - FATAL ERROR and crash when changing port mode.	When changing the port mode to access or general, the switch crashed	Fixed the problem
PC55xx v4.0.1.0 LAG issue using 10Gb interfaces	When using the XG ports with SFP of 1G, can join both ports as uplink LAG Po1. - If reloading the device, XG port 1/0/2 cannot come up. - If replacing one of the 1G SFP with 10G SFP +, the device will allow such an illegal behavior	Port-Channel speed is based on the physical ports speed that are members of the Port-Channel
PC55xx Unable to reach Storm Control page via GUI (Japanese Internet Explorer)	When IE is in Japanese – Strom Control page is missing	Fixed the problem and verified that other web pages doesn't suffer from the same problem
55xx - Cannot modify port description in GUI on active fiber-optic interface	Cannot modify port description in GUI on active fiber-optic interface	Fixed the problem

PC55xx - show clock detail output different to user manual	Show clock in the device showed Summer time range in dates instead of words	Fixed the code to match the User Guide
Incorrect OID returned on SNMPGetNext 55xx	When using the SNMP GetNext on 1.3.6.1.2.1.2.2.1.1.1.9999 the incorrect OID is returned	Fixed the problem
PC55xx - SNMP ifType value of 6 for port-channel interfaces	ifType for Post-Channels is the same as for regular interfaces	Updated the MIB information to comply newer iANAifType definition
GUI shows a fan led in red which does not match the physical status of the front led	Once the switch temperature goes below 40 degrees, the GUI shows a fan led in red which does not match the physical status of the front led	GUI now shows the right status of the LED
PC55xx Connectivity issues with fixed port setting and stacking.	Use 2 PC55xx switches as stack and with fixed port setting 100 Full. for example 1/0/1 and 2/0/1 After remove/power of the master unit, the fixed port (gi2/0/1) did not do a linkup, but the LED is on.	Fixed the problem
PC55xx switch crashed on snmpgetnext 1.3.6.1.4.1.89.59.2.3.1.9.2.2	Device crashed when using snmpgetnext of 1.3.6.1.4.1.89.59.2.3.1.9.2.2	Fixed the problem

PC55xx - unable to set speed 1000 via web GUI on ten gigabit interfaces	User cannot set TE port speed to 100 via EWS. This can be done only VIA CLI	WEB GUI fixed
PC55xxP – Power to PDs lost every once in a while	every once in a while port flapping would occur, in some cases when a large number of POE edge equipment is connected to device, and in addition there are some non-POE equipment connected as well	Fixed the problem

Known Restrictions and Limitations

Summary	User Impact	Workaround
WEB GUI Page "Utilization Summary", "Interface Utilization field" sometimes displays "-"	When sending wire-speed traffic, and the refresh rate is longer than 15 seconds, the WEB GUI displays "-" instead of a real value.	When sending wire-speed traffic, use refresh rate of 15 seconds.
USB key might hang after several quick inserts and removals requiring a reboot.	After the USB key is inserted and removed several times very quickly (within a second) along with the "dir usb:" command, the key stops responding. The USB key becomes operational after reboot.	Wait a few seconds between insertion and removal of the USB key
Cisco Phones 7960 interoperability problem	Some of Cisco 7960 IP Phones create a short on Ethernet wires when connected to PC55xx POE ports. Connecting such phone to PC55xx might cause a leakage of power to other POE devices connected on the same switch. This may cause POE issues on neighboring ports.	Use a two pair Ethernet cable (e.g. Cat3) while working with Cisco 7960 IP Phones

Documentation updates

Introduction

This document lists the changes from the PowerConnect 5524/5548/5524P/5548P Systems User's Guide. The modifications are due to instances discovered in various user environments.

Summary	Description	Relevant Documents
CLI command "show processes cpu" appears in CLI guide but is not supported on device	Command "show processes cpu" which appears in CLI guide is not supported on device. Need to remove command from CLI guide (and other docs if they exist)	User Guide

PC55xx - Incorrect documentation in relation to RDP and ACL	In User Guide for PC55xx there is a list of protocols that can be used during ACL configuration. On that list RDP is described as: RDP — Remote Desktop Protocol (RDP). Enables a clients to communicate with the Terminal Server over the network If you are in switch CLI and under IP ACL configuration this is what is listed for RDP: RDP - Reliable Data Protocol Therefore, in UG: should change from Remote Desktop Protocol To : Reliable Data Protocol (27)	User Guide
Mistake in PC55xx User Guide regarding enable HTTPS command	User Guide provides command "ip https server" as example for HTTPS enabling. Command should be "ip http secure-sever". See page 75 of UG	User Guide
55xx HDMI documentation	Dell request to update recommended HDMI cable version to 1.4 (it is currently 1.3a) This is due to Dell getting a lot of reports from the field when using cable 1.3A - and problems were resolved when using cable 1.4	User Guide
55XX ip source-guard , command is not present	IP source guard (interface level) command appears in PC55xx CLI guide - although it is not supported on device - need to remove command from CLI Guide	CLI Guide

End of Release Notes